



Patent Technology Center 1700

Facsimile Transmission

To:	Name:	Edward Weller
	Company:	Gray Cary Ware & Freidenrich LLP
	Fax Number:	1-650-833-2001
	Voice Phone:	1-650-833-2000
From:	Name:	Michael Poe
	Official Fax Number:	(703) 872-9310
	Official After Final Fax Number:	(703) 872-9311
	Voice Phone:	(703) 306-9170

37 C.F.R. 1.6 sets forth the types of correspondence that can be communicated to the Patent and Trademark Office via facsimile transmissions. Applicants are advised to use the certificate of facsimile transmission procedures when submitting a reply to a non-final or final Office action by facsimile (37 CFR 1.8(a)).

Fax Notes:

Attached are proposed amendments in Serial # 09/920,915 that I feel are necessary to place the application in condition for allowance. These amendments are necessary to over potential rejections under 35 USC 112, 2nd paragraph and to better distinguish the applicant's invention over the prior art of record. With regard to claim 25, the claim only requires that the shell/form is capable of staying in place; therefore, removable shells/forms made by the same process would be readable on claim 25 although they are in fact removed. If you have any questions, please call me. I have to act on this application by Friday; therefore, I need a response ASAP but no later than Friday afternoon.

Date and time of transmission: Wednesday, March 17, 2004 4:03:46 PM
Number of pages including this cover sheet: 04

Art Unit: 1732

PROPOSED AMENDMENTS TO SERIAL NO. 09/920,915

The title would be changed to -- A METHOD OF MANUFACTURING A CONCRETE SUPPORT STRUCTURE USING A STAY-IN-PLACE COMPOSITE SHELL --.

The specification would be amended as follows:

In the section "CROSS REFERENCE TO RELATED APPLICATIONS", "now U.S. Patent No. 6,295,782 B1," would be inserted after "1999,".

Claim 25 would be replaced by the following:

25. A method of manufacturing a concrete support structure using a stay-in-place composite shell, the method comprising the steps of:

applying a liner to an exterior surface of a tubular member, the liner including at least one sheet of a water-impermeable material;

applying a fabric layer having a plurality of fibers to the liner;

impregnating the fabric layer with a resin matrix to form a resin-impregnated fabric layer; [and]

removing the tubular member once the resin matrix cures to form a stay-in-place composite shell having an inner wall surface defining an enclosure into which concrete may be poured and allowed to harden; and

pouring concrete into the enclosure to form a concrete support structure having the composite shell bonded to the concrete;

wherein the plurality of fibers elongate as the concrete is poured into the enclosure of the composite shell due to a weight of the concrete, and partially shrink back as the concrete dries to compensate for shrinkage of the concrete; and

wherein the liner protects the composite shell from alkalinity in the concrete.

Claim 26 would be canceled.